

WHAT IS CLAIMED IS:

1. An electrode for treatment, comprising:

an electric power source;

5 a conducting pad for attaching a human body;

a treatment current supplying means for supplying a pulsed current to a body part to which said conducting pad is attached on the electric power supply from said electric power source;

a receiving means for receiving an external control signal

10 at radio transmission; and

a controlling means for controlling said treatment current supplying means on the basis of said control signal received by said receiving means at radio transmission.

2. The treatment electrode according to claim 1, wherein

15 said treatment current supplying means is configured so as to stop the supply of said pulsed current at a given period.

3. The treatment electrode according to claim 1, wherein said conducting pad is comprised of a plurality of conducting pads.

20 4. The treatment electrode according to claim 3, further comprising a conducting pad connector for electrically and mechanically connecting said plurality of pads, wherein the length of said conducting pad connector is changeable.

5. The treatment electrode according to claim 3, further

25 comprising a conducting pad connector for electrically and mechanically connecting said plurality of pads, wherein said conducting pad connector is flexible.

6. The treatment electrode according to claim 1, further

comprising an impedance measuring means for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part.

7. The treatment electrode according to claim 6, further comprising an impedance information transmitting means for transmitting a measurement result in impedance by said impedance measuring means outside at radio transmission, wherein said receiving means receives, as said control signal, treatment controlling information corresponding to the body fat, the muscle bulk, the bone mass and/or the water content of said body part which are calculated from the measured impedances.

8. The treatment electrode according to claim 7, wherein said controlling means varies the output and/or frequency of said pulsed current to be supplied to said human body by said treatment current supplying means on, as said control signal, said treatment controlling information corresponding to the body fat, the muscle bulk, the bone mass and/or the water content of said body part.

9. The treatment electrode according to claim 8, wherein said controlling means varies the width of said pulsed current commensurate with the degree of the body fat of said body part which is calculated.

10. The treatment electrode according to claim 1, further comprising a pad adhering means for adhering said conducting pad to said human body.

11. The treatment electrode according to claim 10, wherein said pad adhering means is configured such that said conducting pad is made of an adhesive sheet with electric conduction.

12. The treatment electrode according to claim 1, wherein

said conducting pad is comprised of a plurality of conducting pads commensurate with different kinds of shapes of said body part.

13. The treatment electrode according to claim 12, further comprising a clothing with said plurality of conducting pads which 5 are fixed so as to be contacted to said body part at treatment.

14. The treatment electrode according to claim 1, further comprising a number of heart beat detecting means for detecting the number of heart beat through said conducting pad to be contacted to said body part.

10 15. A device for treatment, comprising:

a treatment electrode; and

a controller for controlling said treatment electrode,
said controller including:

an input means for inputting information about said
15 treatment;

a control signal generating means for generating a control signal on said information input by said input means; and

20 a control signal transmitting means for transmitting said control signal generated by said control signal generating means at radio transmission.

16. The treatment device according to claim 15, further comprising a plurality of conducting pads.

17. The treatment device according to claim 15, wherein
25 said controller further includes a pulsed current supply selecting means which is configured so as to switchably select a pair of conducting pads or a pair of treatment electrodes for supplying a pulsed current through a treatment current supplying means from among three or more conducting pads or treatment

electrodes.

18. The treatment device according to claim 15, wherein
said pulsed current supply selecting means is configured so as
to switchably and successively select said pair of conducting pads
5 or said pair of treatment electrodes so that said pulsed current
is supplied successively through the successively selected pair
of conducting pads or treatment electrodes.

19. The treatment device according to claim 15, wherein
said treatment electrode includes an impedance measuring means
10 for measuring the impedance of said body part to which said
conducting pad is attached by flowing a measuring current in said
body part, and said controller includes a selecting means which
is configured so as to switchably select a pair of conducting pads
or a pair of treatment electrodes for measuring an impedance of
15 said body part through an impedance measuring means from among
three or more conducting pads or treatment electrodes.

20. The treatment device according to claim 15, wherein
said treatment electrode further includes an impedance measuring
means for measuring the impedance of said body part to which said
20 conducting pad is attached by flowing a measuring current in said
body part, and

 said controller further includes:

 an impedance information receiving means for
 receiving, at radio transmission, an impedance measurement result
25 of said body part which is measured by said impedance measuring
means;

 a calculating means for calculating the body fat, the
 muscle bulk, the bone mass and/or the water content of said body

part on the measured impedance received by said impedance information receiving means;

a control signal generating means for generating treatment information as a control signal on the calculated result
5 by said calculating means; and

a control signal transmitting means for transmitting, at radio transmission, said control signal generated by said control signal generating means.

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